UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandra, Virgina 22313-1450

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

10/20/2003

MERCHANT & GOULD P.C.

P.O. Box 2903 Minneapolis, MN 55402-0903 EXAMINER
FRIEDHOFER, MICHAEL A
ART UNIT PAPER NUMBER

2832 DATE MAILED: 10/20/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/828,706	04/06/2001	Michael Follingstad	2316.1260-US01	6468

TITLE OF INVENTION: ELECTRONIC SIGNAL TRANSMISSION AND SWITCHING TACK

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ĺ	APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$1330	\$300	\$1630	01/20/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPOPETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. TH STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check the box below and enclothe PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

 Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed n or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), t: Mail Ma

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS. This form should be used for transmitting the ISSUE FEE and PUBLICATION FILE (if required). Blocks 1 through 4 should be completed who properties. All whether corresponding the Fater, advance orders and notification of maintenance fees with be mailed to the current corresponding address indicated unless corrected below of directed otherwise in Block 1, by (4) specifying a new correspondence address, and/or (b) indicating a separate FEE ADDETION.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590 10/20/2003

MERCHANT & GOULD P.C.

P.O. Box 2903 Minneapolis, MN 55402-0903 Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, m have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

Certificate of Mailing of Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the Un
States Postal Service with sufficient postage for first class mail in an envel
addressed to the Mail Stop ISSUE FEE address above, or being facism
transmitted to the USPTO, on the date indicated below.

(Opposite State State

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	EXAM	IINER	ART UN	IT	CLASS-SUBCLASS]	
	FRIEDHOFER	, MICHAEL A	2832		200-05100R		
1	1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Q Change of correspondence address (or Change of Correspondence Address from FTOSB/122) attached. U "Fee Address" indication or "Fee Address" Indication form		names of agents Of firm (hav agent) an	nting on the patent front page, up to 3 registered patent a R, alternatively, (2) the name ing as a member a registered d the names of up to 2 regist	ttorneys or 1 of a single attorney or 2 ered patent		
	PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			will be pri	or agents. If no name is listed inted.	1, no name 3	

PTO/SB/47; Rev 03-02 or more recent) a Number is required.	ttached. Use of a Customer	will be printed.	. II no name is	tisted, no name 3	
3. ASSIGNEE NAME AND RESIDENCE I	ATA TO BE PRINTED ON T	THE PATENT (print or	type)		
PLEASE NOTE: Unless an assignce is in been previously submitted to the USPTO (A) NAME OF ASSIGNEE	late will appear on the patent. Inclusion of assignee data is only appropriate when an assignment parate cover. Completion of this form is NOT a substitute for filing an assignment. 3) RESIDENCE: (CITY and STATE OR COUNTRY)				
Please check the appropriate assignce category			⊔individual	© corporation or other private group entit	y 🔾 governm
4a. The following fee(s) are enclosed:	4b	. Payment of Fce(s):			
☐ Issue Fee		A check in the amo	unt of the fee(s)	is enclosed.	
☐ Publication Fee		Payment by credit	ard. Form PTO-	2038 is attached.	
Advance Order - # of Copies		☐ The Director is he Deposit Account Nun	reby authorized	by charge the required fcc(s), or credit an enclose an extra copy of the	y overpayment is form).
Director for Patents is requested to apply the	Issue Fce and Publication Fce	(if any) or to re-apply	any previously p	oaid issue fee to the application identified ab	ove.
(Authorized Signature)	(Date)				
NOTE; The Issue Fee and Publication Fe other than the applicant; a registered atte interest as shown by the records of the Unit	e (if required) will not be ac- mey or agent; or the assigne ed States Patent and Trademar	cepted from anyone ee or other party in k Office.			

NOTE: The Issue Fee and Publication I'ee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is negarized by 3 (TeR. 13.11. The information is required to application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR. 1.14. This collection is estimated to take 121 intuities to complete; including gathering, perspaning, and submitting the seminated to take 121 intuities to complete; including gathering, perspaning, and submitting the case. Any comments on the amount of times will vary depending upon the individual case. Any comments on the amount of the control of the cont



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark, Office Address COMMISSIONER FOR PATIENTS P.O. Rox 1459 Avenuaged gap gains 22313-1459

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Minneapolis, MN	55402-0903		ART UNIT	PAPER NUMBER
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DATE MAILED: 10/20/2003

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a ha months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then t amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fe Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in vic of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processi delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowan is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), t issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and t response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to t issue fee now due, then the difference between the issue fee amount at the time the response is filed and t previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eigh Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original	or reissue patent,
except a design or plant patent:	-
D	0.00

(b) Issue fee for issuing a design patent: By a small entity (Sec. 1.27(a))......\$240.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of t Office of Patent Publication at (703) 305-8283.